

**Notice of Allowability**

Application No.

09/727,257

Examiner

Peter Poltorak

Applicant(s)

MACHE, NIELS

Art Unit

2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to the amendment received on 10/24/06 and a tel. conversation with Anrew Harry on 12/12/06.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

1. This Office Action is in response to Applicant's amendment filed on 10/24/06.

***Examiner Amendment***

2. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

The following changes were authorized (and permission to make same by Authorization for this Examiner's Amendment was given in a telephone interview with Andrew Harry on 12F/12/06).

3. Please replace claims 1 and 4-6 and as follows:

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1. A method for transmitting messages in a distributed system, the method comprising:  
receiving a message comprising a message content and meta information from a sending client by a first message gateway, extracting the meta information from the received message,  
transmitting the meta information from the first message gateway to a message broker while keeping the received message content at the first message gateway,

selecting, by the message broker, a second message gateway and a message content conversion of the message content on the basis of the meta information and profile data of the target client managed by the message broker,

transmitting modified meta information including message messaging information from the message broker to the first message gateway, and

after receiving the modified meta information converting the message content and transmitting the a message including the converted message content from the first message gateway to the selected second message gateway so that the second message gateway can transfer the message to a target client,

wherein the message broker is an entity physically separated from the first and second message gateways.

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4. A method according to Claim 1 wherein the message content is converted by a message processor prior to being sent to the selected second message gateway.

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5. A computer program stored in a tangible storage medium, for transmission of messages in a distributed system, the program comprising executable instructions that cause a computer to:

receive a message comprising a message content and meta information from a sending client by a first message gateway;

extract the meta information for the received message;

transmit the meta information from the first message gateway to a message broker while keeping the received message content at the first message gateway,

select, by the message broker, a second message gateway and a message conversion of the message content on the basis of the meta information and profile data of the target client managed by the message broker;

transmit modified meta information including message managing information from the message broker to the first message gateway; and

after receiving the modified meta information convert the message content and transmit the a message including the converted message content from the first message gateway to the selected second message gateway so that the second message gateway can transfer the message to a target client,

wherein the message broker is an entity physically separated from the first and second message gateways.

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6. A distributed system to transmit messages, the system comprising:

a first message gateway configured to receive messages comprising a message content and meta information from sending clients, the first message gateway configured to extract the meta information from the received messages,

a message broker configured to receive only the extracted meta information from the first message gateway, the message broker processing the meta information

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and selecting a second message gateway and a message conversion of the message content on the basis of the meta information and profile data of the target client managed by the message broker, and returning the processed meta information to the first message gateway, and

a second message gateway configured to receive the a message including a converted content from the first message gateway controlled by the processed meta information, and to transfer the received message to a target client,

wherein the message broker is an entity physically separated from the first and second message gateways.

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***Examiner's Statement of Reasons for Allowance***

4. Claims 1-9 are allowed.

The following is a statement of reasons for the indication of allowable subject matter.

5. Applicant invention is directed towards a system and a method for transmitting messages in a distributed system comprising a message sending and target clients using a first and a second gateway, and a message broker. The system also includes a "message broker configured to receive only the extracted meta information from the first message gateway ... processing the meta information and selecting a second message gateway and a message conversion of the message content on the basis of the meta information and profile data of the target client

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managed by the message broker and returning the processed meta information to the first message gateway”.

6. The closes prior art disclose a client/recipient message exchange utilizing a first and a second gateways. Even though, the prior art disclose a message translation the art fails to disclose a message broker that is “an entity physically separated from the first and second message gateways” selecting “a second message gateway and a message content conversion on the basis of the meta information and client profile data managed by the message broker” and “transmitting modified meta information including message messaging information ... to the first message gateway”
7. In particular, Cohn (U.S. Patent No. 5740231) discloses a message system that in addition to first and a second clients utilizes a first and a second gateways, and a message broker that allows for a message content translation. However, the message broker disclosed by Cohn fails select “a second message gateway and a message content conversion on the basis of the meta information and client profile data managed by the message broker” and “transmitting modified meta information including message messaging information ... to the first message gateway”.
8. Other prior arts, Vaudreuil (U.S. Patent No. 5740230) in view of Farrow et al. (U.S. Patent No. 6374295) and Sakellariadis (Spyros Sakellariadis, “Using Exchange Server with SMTP and POP3”, June 1998, <http://www.windowsitpro.com/Windows/Article/ArticleID/3475/3475.html>) in view of Leeds (Leeds, U.S. Pub. 20020016824 A1) disclose client and recipient communicating a message using a first and a second gateways and using a

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message broker that is "an entity physically separated from the first and second message gateways" to obtain message messaging information. However, neither of the references disclose that the message broker selects "a second message gateway and a message content conversion on the basis of the meta information and client profile data managed by the message broker" as required by the independent claims 1 and 5-6.

9. Similarly Nagai (U.S. Patent No. 6636587) and Cannon (U.S. Patent No. 5974447) fail to disclose the message broker selects a message broker separate from a first and a second gateway selecting "a second message gateway and a message content conversion on the basis of the meta information and client profile data managed by the message broker".

The prior art, fails to anticipate or fairly suggest the limitation of applicant's independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. As a result the claimed invention is considered to be in condition for allowance as being novel and non-obvious over prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on statement of Reasons for Allowance".

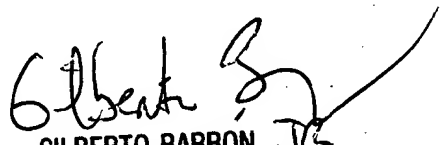
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Poltorak whose telephone number is (571) 272-3840. The examiner can normally be reached from Monday through Thursday from 9:00 until 5:00, and every other Friday from 9:00 until 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1600.



12/12/06



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